## **EAST Search History**

| Ref# | Hits | Search Query   | DBs                        | Default<br>Operator | Plurals | Time Stamp          |
|------|------|--|----------------------------|---------------------|---------|---------------------|
| L2   | 3    | batch near2 job\$3 with<br>(ready and queue\$3)  | US-PGPUB;<br>USPAT         | OR                  | ON      | 2009/06/21<br>21:40 |
| L3   | 4    | batch near2 job\$3 with<br>(ready and wait\$3)   | US-PGPUB;<br>USPAT         | OR                  | ON      | 2009/06/21<br>21:41 |
| L4   | 0    | batch near2 job\$3 with<br>((ready near2 job\$3)<br>near2 queue\$3)                                | US-PGPUB;<br>USPAT         | OR                  | ON      | 2009/06/21<br>21:43 |
| L5   | 4    | batch near2 job\$3 with<br>(ready near2 job\$3)  | US-PGPUB;<br>USPAT         | OR                  | ON      | 2009/06/21<br>21:44 |
| L6   | 0    | ready near2 batch near2<br>job\$3 with (queue or wait<br>\$3)                                      | US-PGPUB;<br>USPAT         | OR                  | ON      | 2009/06/21<br>21:45 |
| L7   | 0    | ready near2 batch\$3<br>near2 job\$3 with (queue<br>or wait\$3)                                    | US-PGPUB;<br>USPAT         | OR                  | ON      | 2009/06/21<br>21:45 |
| L8   | 6    | batch\$3 near2 job\$3 with<br>ready with (queue or wait<br>\$3)                                    | US-PGPUB;<br>USPAT         | OR                  | ON      | 2009/06/21<br>21:45 |
| L9   | 20   | mov\$3 near3 (thread\$3<br>job\$3 task\$3) near2<br>ready near3 (wait queue)                       | US-PGPUB;<br>USPAT         | OR                  | ON      | 2009/06/21<br>21:47 |
| L10  | 3867 | 718/102,104.COLS.  | US-PGPUB;<br>USPAT         | OR                  | ON      | 2009/06/21<br>22:38 |
| L11  | 8    | L9 AND L10   | US-PGPUB;<br>USPAT         | OR                  | ON      | 2009/06/21<br>22:38 |
| L12  | 359  | mov\$3 near3 (thread\$3<br>job\$3 task\$3) near2 (wait<br>queue)                                   | US-PGPUB;<br>USPAT         | OR                  | ON      | 2009/06/21<br>22:38 |
| L13  | 57   | l12 and l10  | US-PGPUB;<br>USPAT         | OR                  | ON      | 2009/06/21<br>22:43 |
| L14  | 1    | batch near2 job\$3 with ready with wait  | US-PGPUB;<br>USPAT         | OR                  | ON      | 2009/06/21<br>22:44 |
| L15  | 18   | ready near2 (job\$3 task<br>\$3 thread\$3) near3 (mov<br>\$3 transfer\$3) near2<br>(wait queue\$3) | US-PGPUB;<br>USPAT         | OR                  | ON      | 2009/06/21<br>22:47 |
| S1   | 220  | monitor\$3 near4 (buffer<br>\$3) near4 (program<br>application)                                    | US-PGPUB;<br>USPAT;<br>EPO | OR                  | ON      | 2008/11/25<br>10:44 |
| S2   | 63   | S1 and (stat\$3 near4<br>buffer\$3)  | US-PGPUB;<br>USPAT;<br>EPO | OR                  | ON      | 2008/11/25<br>10:45 |

| S3         | 1    | "5450546".pn.  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2008/11/25<br>11:25 |
|------------|------|--|----------------------------|----|----|---------------------|
| S4         | 3406 | (manag\$3 control\$3<br>monitor\$3) near4 (buffer<br>\$3) near4 (program<br>application)   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2008/11/25<br>11:30 |
| <b>S</b> 5 | 290  | (manag\$3 control\$3<br>monitor\$3) near4 (status<br>stat\$3) near4 (program<br>application thread\$3<br>process ) near4 (buffer\$3)                   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2008/11/25<br>11:31 |
| S6         | 42   | \$5 and (control\$3 manag<br>\$3 ) near4 (dispatch\$3<br>execut\$3 schedul\$3)<br>near4 (thread\$3 process<br>task\$3)                                 | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2008/11/25<br>11:32 |
| S7         | 5737 | (manag\$3 control\$3<br>monitor\$3) near4 (buffer<br>\$3 cache) near4<br>(program application)   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2008/11/25<br>11:43 |
| S8         | 442  | (manag\$3 control\$3<br>monitor\$3) near4 (status<br>stat\$3) near4 (program<br>application thread\$3<br>process )near4 (buffer\$3<br>cache)           | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2008/11/25<br>11:44 |
| S9         | 85   | \$8 and (control\$3 manag<br>\$3 ) near4 (dispatch\$3<br>execut\$3 schedul\$3)<br>near4 (thread\$3 process<br>task\$3)                                 | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2008/11/25<br>11:44 |
| S10        | 1792 | (associat\$3 link\$3 join\$3)<br>near4 (program<br>application )near4 (buffer<br>\$3 cache)  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2008/11/25<br>11:47 |
| S11        | 2489 | (associat\$3 link\$3 connect<br>\$3) near4 (program<br>application )near4 (buffer<br>\$3 cache)  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2008/11/25<br>11:47 |
| S12        | 26   | \$11 and (manag\$3 control<br>\$3 monitor\$3) near4<br>(status stat\$3) near4<br>(program application<br>thread\$3 process )near4<br>(buffer\$3 cache) | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2008/11/25<br>11:47 |
| S13        | 40   | (monitor\$3 control\$3<br>manag\$3) near3 (status<br>stat\$3) near4 (application<br>client) near3 buffer\$3  | US-PGPUB;<br>USPAT         | OR | ON | 2008/11/25<br>13:55 |

| S14 | 70    | (monitor\$3 control\$3<br>manag\$3) near3 (status<br>stat\$3) near4 (application<br>program softwareclient)<br>near3 buffer\$3                | US-PGPUB;<br>USPAT              | OR | ON | 2008/11/25<br>14:10 |
|-----|-------|---|---------------------------------|----|----|---------------------|
| S15 | 97    | (monitor\$3 control\$3<br>manag\$3) near3 (status<br>stat\$3) near4 (application<br>program software VM<br>client) near3 buffer\$3            | US-PGPUB;<br>USPAT              | OR | ON | 2008/11/25<br>14:10 |
| S16 | 48    | (monitor\$3 control\$3<br>manag\$3) near3<br>(application program<br>software) near3 layer<br>near3 buffer\$3                                 | US-PGPUB;<br>USPAT              | OR | ON | 2008/11/25<br>14:14 |
| S17 | 12    | monitor\$3 near3<br>(software applicatio<br>program) near3 buffer<br>near3 stat\$3  | US-PGPUB;<br>USPAT              | OR | ON | 2008/11/25<br>14:41 |
| S18 | 30901 | (software application program) near4 buffer\$3  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2008/12/01<br>09:37 |
| S19 | 921   | (software application<br>program) near4 buffer\$3<br>near3 stat\$3  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2008/12/01<br>09:38 |
| S20 | 509   | S19 and (monitor\$3 detect<br>\$3 control\$3 manag\$3)<br>near3 buffer\$3   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2008/12/01<br>09:38 |
| S21 | 164   | \$20 and (thread\$3<br>process) near2 (schedul<br>\$3 dispatch\$3 run\$3<br>execut\$3)  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2008/12/01<br>09:39 |
| S22 | 21    | (software application<br>program) near4<br>(associat43 join\$3 connect<br>\$3 link\$3) near4 buffer\$3<br>near3 stat\$3                       | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2008/12/01<br>09:41 |
| S23 | 14    | ((manag\$3 control\$3<br>monitor\$3) near4 (status<br>stat\$3) near4 (program<br>application thread\$3<br>process )near4 (buffer<br>\$3)).ab. | US-PGPUB;<br>USPAT;<br>EPO      | OR | ON | 2008/12/01<br>10:18 |
| S24 | 46    | ((software application program) near4 buffer\$3 near3 stat\$3).ab.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2008/12/01<br>10:22 |
| S25 | 20875 | intel.as.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2008/12/01<br>10:54 |

| S26         | 476  | \$25 and buffer near2 stat<br>\$3   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2008/12/01<br>10:54 |
|-------------|------|---|---------------------------------|----|----|---------------------|
| S27         | 5    | \$26 and ( stat\$3 near3<br>(application program<br>software) near2 buffer\$3)  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2008/12/01<br>10:55 |
| S28         | 116  | ((YEUNG near MINERVA)<br>or (CHEN near YEN<br>\$KUANG)).inv.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2008/12/01<br>11:05 |
| S29         | 534  | (((application software<br>program) near3 stat\$3)<br>same ((thread process)<br>near3 stat\$3) same<br>((machine client server)<br>near2 stat\$3))      | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2008/12/01<br>11:19 |
| S30         | 30   | (((application software program) near3 stat\$3) same ((thread process) near3 stat\$3) same ((machine client server) near2 stat\$3)).ab.                 | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2008/12/01<br>11:20 |
| S31         | 29   | (((application software program) near3 stat\$3) same ((thread process) near3 stat\$3) same ((machine client server) near2 stat\$3) same (cache buffer)) | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2008/12/01          |
| S32         | 4115 | monitor\$3 near3 stat\$3<br>near3 (program<br>application)  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2008/12/01<br>12:42 |
| 833         | 528  | (monitor\$3 near3 stat\$3<br>near3 (program<br>application)).ab.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2008/12/01<br>12:42 |
| <b>S</b> 34 | 3    | \$33 and (monitor\$3<br>control\$3 manag\$3)<br>near3 (buffer cache)<br>near3 (application<br>program)  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2008/12/01<br>12:43 |
| \$35        | 3    | \$33 and (monitor\$3 control\$3 manag\$3) near3 (buffer cache) near3 (application software program)   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2008/12/01<br>12:44 |
| S36         | 92   | S32 and (monitor\$3<br>control\$3 manag\$3)<br>near3 (buffer cache)<br>near3 (application<br>software program)  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2008/12/01<br>12:44 |

| S37 | 29  | monitor\$3 near3 stat\$3<br>near3 (program<br>application) near3 thread<br>\$3  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2008/12/01<br>13:08 |
|-----|-----|---|---------------------------------|----|----|---------------------|
| S38 | 29  | (monitor\$3 near3 stat\$3<br>near3 (program<br>application)) same (thread<br>\$3 near3 stat\$3)   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2008/12/01<br>14:01 |
| S39 | 30  | (monitor\$3 near3 stat\$3<br>near3 (program\$3<br>sofware applications))<br>same (thread\$3 near3 stat<br>\$3)                            | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2008/12/01<br>14:03 |
| S40 | 298 | (monitor\$3 near3 stat\$3<br>near3 (program\$3<br>sofware applications))<br>same ((thread\$3 process<br>task\$3) near3 stat\$3)           | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2008/12/01<br>14:03 |
| S41 | 29  | ((monitor\$3 near3 stat\$3<br>near3 (program\$3<br>sofware applications))<br>same ((thread\$3 process<br>task\$3) near3 stat\$3)).<br>ab. | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2008/12/01<br>14:03 |
| S42 | 1   | "797177".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2008/12/01<br>14:04 |
| S43 | 0   | "797177".pn.  | US-PGPUB;<br>USPAT              | OR | ON | 2008/12/01<br>14:05 |
| S44 | 12  | thread\$3 near3 (includ\$3 compros\$3 consist\$3) near3 activiti\$3   | US-PGPUB;<br>USPAT;<br>EPO      | OR | ON | 2008/12/01<br>14:23 |
| S45 | 1   | (manag\$3 control\$3)<br>near3 (resource\$3) near4<br>(application\$3 rogram)<br>near4 stat\$3 near4 thread<br>\$3 near3 stat\$3          | US-PGPUB;<br>USPAT;<br>EPO      | OR | ON | 2008/12/01<br>14:27 |
| S46 | 841 | thread near3 (associat\$3)<br>near4 (application<br>program)  | US-PGPUB;<br>USPAT;<br>EPO      | OR | ON | 2008/12/01<br>14:28 |
| S47 | 0   | \$46 near4 (manag\$3 control\$3) near4 resourc \$3 near4 (application program thread) near3 stat\$3                                       | US-PGPUB;<br>USPAT;<br>EPO      | OR | ON | 2008/12/01<br>14:29 |
| S48 | 1   | S46 near4 (manag\$3<br>control\$3) near4 resourc<br>\$3 near4 stat\$3   | US-PGPUB;<br>USPAT;<br>EPO      | OR | ON | 2008/12/01<br>14:29 |

| S49         | 10     | monitor\$3 near3<br>(application program)<br>near4 (cache buffer)<br>near3 (full\$3 level)                                  | US-PGPUB;<br>USPAT;<br>EPO   | OR | ON | 2008/12/01<br>16:44 |
|-------------|--------|---|------------------------------|----|----|---------------------|
| S50         | 1      | "5365552".pn.   | US-PGPUB;<br>USPAT;<br>EPO   | OR | ON | 2008/12/01<br>16:48 |
| S51         | 1772   | (indicat\$3 monitor\$3)<br>near3 buffer near3 full\$3   | US-PGPUB;<br>USPAT;<br>EPO   | OR | ON | 2008/12/01<br>16:49 |
| S52         | 12     | (indicat\$3 monitor\$3)<br>near3 (application thread<br>program software) near4<br>buffer near3 full\$3                     | US-PGPUB;<br>USPAT;<br>EPO   | OR | ON | 2008/12/01<br>16:49 |
| S53         | 2      | "20030115428"   | US-PGPUB;<br>USPAT;<br>EPO   | OR | ON | 2008/12/01<br>17:00 |
| S54         | 4      | US-20020169990-\$.DID.<br>OR US-6510099-\$.DID.<br>OR US-20010043353-\$.<br>DID. OR US-6205078-\$.<br>DID.                  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2008/12/02<br>10:31 |
| <b>S</b> 55 | 14     | (power energy) near4<br>(reduc\$3 consum\$3)<br>near4 ((tun\$3 near2 off)<br>or (shut\$down)) near4<br>(part\$4 portion\$3) | US-PGPUB;<br>USPAT;<br>EPO   | OR | ON | 2008/12/02<br>14:18 |
| S56         | 1      | "6574738".pn.   | US-PGPUB;<br>USPAT;<br>EPO   | OR | ON | 2008/12/02<br>14:28 |
| <b>S</b> 57 | 1      | "20020188884".pn.   | US-PGPUB;<br>USPAT;<br>EPO   | OR | ON | 2008/12/02<br>14:28 |
| S58         | 496269 | thread dependency   | US-PGPUB;<br>USPAT           | OR | ON | 2008/12/03<br>08:41 |
| <b>S</b> 59 | 5      | (thread\$3 near3 dependen<br>\$3) same (thread\$3<br>near3 wait\$3) same<br>ready   | US-PGPUB;<br>USPAT           | OR | ON | 2008/12/03<br>08:42 |
| S60         | 5      | ( ready near2 thread\$3)<br>same (thread\$3 near3<br>wait\$3) same dependent<br>\$3   | US-PGPUB;<br>USPAT           | OR | ON | 2008/12/03<br>08:44 |
| S61         | 4      | ( ready near2 thread\$3)<br>same (thread\$3 near3<br>wait\$3 near4 thread\$3)<br>same dependent\$3                          | US-PGPUB;<br>USPAT           | OR | ON | 2008/12/03<br>08:45 |
| S62         | 136    | (ready near2 thread\$3)<br>same (thread\$3 near3<br>wait\$3 near4 thread\$3)  | US-PGPUB;<br>USPAT           | OR | ON | 2008/12/03<br>08:45 |

| S63         | 0     | (ready near2 thread\$3)<br>same (thread\$3 near3<br>wait\$3 near4 thread\$3<br>near3 ready) near4<br>(concurent\$3)                                    | US-PGPUB;<br>USPAT | OR | ON | 2008/12/03<br>08:49 |
|-------------|-------|--|--------------------|----|----|---------------------|
| S64         | 0     | (ready near2 thread\$3<br>near3 wait\$3 near4 thread<br>\$3 near3 ready) near4<br>(concurent\$3)   | US-PGPUB;<br>USPAT | OR | ON | 2008/12/03<br>08:49 |
| S65         | 0     | ready near3 (transaction<br>thread\$3) near3 sync\$5<br>near4 dispatch\$3  | US-PGPUB;<br>USPAT | OR | ON | 2008/12/03<br>09:14 |
| S66         | 1     | (transaction thread\$3)<br>near3 sync\$5 near4<br>dispatch\$3  | US-PGPUB;<br>USPAT | OR | ON | 2008/12/03<br>09:15 |
| S67         | 12664 | (transaction thread\$3)<br>near3 (transmi\$3 schedul<br>\$3 dispatch\$3)   | US-PGPUB;<br>USPAT | OR | ON | 2008/12/03<br>09:16 |
| S68         | 192   | ready near2 (transaction<br>thread\$3) near3 (transmi<br>\$3 schedul\$3 dispatch\$3)   | US-PGPUB;<br>USPAT | OR | ON | 2008/12/03<br>09:16 |
| <b>S</b> 69 | 41    | ready near2 (transaction<br>thread\$3) near3 (transmi<br>\$3 schedul\$3 dispatch\$3)<br>same wait\$3   | US-PGPUB;<br>USPAT | OR | ON | 2008/12/03<br>09:16 |
| S70         | 41    | ready near2 (transaction<br>thread\$3) near3 (transmi<br>\$3 schedul\$3 dispatch\$3)<br>same wait\$3   | US-PGPUB;<br>USPAT | OR | ON | 2008/12/03<br>09:16 |
| S71         | 2     | ready near2 (transaction<br>thread\$3) near3 wait\$3<br>near3 (transmi\$3 schedul<br>\$3 dispatch\$3) near3<br>(transaction thread\$3)<br>near3 ready  | US-PGPUB;<br>USPAT | OR | ON | 2008/12/03<br>09:18 |
| S72         | 0     | ready near2 (transaction<br>thread\$3) near3 delay\$3<br>near3 (transmi\$3 schedul<br>\$3 dispatch\$3) near3<br>(transaction thread\$3)<br>near3 ready | US-PGPUB;<br>USPAT | OR | ON | 2008/12/03<br>09:19 |
| S73         | 0     | ready near2 (transaction<br>thread\$3) near3 delay\$3<br>near3 (transmi\$3 schedul<br>\$3 dispatch\$3) near3<br>(transaction thread\$3)                | US-PGPUB;<br>USPAT | OR | ON | 2008/12/03<br>09:19 |
| S74         | 1     | ready near2 (transaction<br>thread\$3) near3 delay\$3<br>near3 (transmi\$3 schedul<br>\$3 dispatch\$3)   | US-PGPUB;<br>USPAT | OR | ON | 2008/12/03<br>09:19 |

| S75 | 0     | ready near2 (transaction<br>thread\$3) near3 delay\$3<br>near3 (transmi\$3 schedul<br>\$3 dispatch\$3) same<br>concurent\$3                                      | US-PGPUB;<br>USPAT | OR | ON | 2008/12/03<br>09:19 |
|-----|-------|--|--------------------|----|----|---------------------|
| S76 | 0     | ready near2 (transaction<br>thread\$3) near3 delay\$3<br>near3 wait near3 (transmi<br>\$3 schedul\$3 dispatch\$3)  | US-PGPUB;<br>USPAT | OR | ON | 2008/12/03<br>09:20 |
| S77 | 23    | ready near2 (transaction<br>thread\$3) same delay\$3<br>same (transmi\$3 schedul<br>\$3 dispatch\$3)   | US-PGPUB;<br>USPAT | OR | ON | 2008/12/03<br>09:20 |
| S78 | 0     | delay same (ready near2<br>(transaction thread\$3))<br>same concurent\$3 same<br>(transmi\$3 schedul\$3<br>dispatch\$3)  | US-PGPUB;<br>USPAT | OR | ON | 2008/12/03<br>09:24 |
| S79 | 0     | (stall\$3 delay\$3) same<br>(ready near2 (transaction<br>thread\$3)) same<br>concurent\$3 same<br>(transmi\$3 schedul\$3<br>dispatch\$3)                         | US-PGPUB;<br>USPAT | OR | ON | 2008/12/03<br>09:24 |
| S80 | 0     | (stall\$3 delay\$3) same<br>(ready near2 (transaction<br>activit\$3 thread\$3))<br>same concurent\$3 same<br>(transmi\$3 schedul\$3<br>dispatch\$3)              | US-PGPUB;<br>USPAT | OR | ON | 2008/12/03<br>09:24 |
| S81 | 1     | (stall\$3 delay\$3) same<br>(ready near2 (transaction<br>acrtivit\$3 thread\$3))<br>same (together concurent<br>\$3) same (transmi\$3<br>schedul\$3 dispatch\$3) | US-PGPUB;<br>USPAT | OR | ON | 2008/12/03<br>09:25 |
| S82 | 49529 | synch\$3 near4 thread\$3<br>dispatch\$3  | US-PGPUB;<br>USPAT | OR | ON | 2008/12/03<br>09:25 |
| S83 | 0     | synch\$3 near4 thread\$3<br>near3 dispatch\$3  | US-PGPUB;<br>USPAT | OR | ON | 2008/12/03<br>09:26 |
| S84 | 0     | synch\$3 near4 (process<br>application program<br>transaction activity thread<br>\$3) near3 dispatch\$3  | US-PGPUB;<br>USPAT | OR | ON | 2008/12/03<br>09:26 |
| S85 | 40    | delay near4 (process<br>application program<br>transaction activity thread<br>\$3) near3 dispatch\$3   | US-PGPUB;<br>USPAT | OR | ON | 2008/12/03<br>09:26 |

| S86 | 1 | delay near4 ready near3<br>(process application<br>program transaction<br>activity thread\$3) near3<br>dispatch\$3  | US-PGPUB;<br>USPAT         | OR | ON | 2008/12/03<br>09:27 |
|-----|---|---|----------------------------|----|----|---------------------|
| S87 | 0 | delay near4 ready near3<br>(process application<br>program transaction<br>activity thread\$3) near3<br>dispatch\$3 near4<br>(concuren\$3 simultan\$3)                     | US-PGPUB;<br>USPAT         | OR | ON | 2008/12/03<br>09:37 |
| S88 | 0 | delay near4 ready near3<br>(process application<br>program transaction<br>activity thread\$3) near3<br>(concuren\$3 simultan\$3)  | US-PGPUB;<br>USPAT         | OR | ON | 2008/12/03<br>09:37 |
| S89 | 0 | ready near3 (process<br>application program<br>transaction activity thread<br>\$3) near3 (concuren\$3<br>simultan\$3)   | US-PGPUB;<br>USPAT         | OR | ON | 2008/12/03<br>09:37 |
| S90 | 0 | ready same (process<br>application program<br>transaction activity thread<br>\$3) same (concuren\$3<br>simultan\$3)same<br>(dispatch\$3 run\$3 execut<br>\$3 schedul\$3)  | US-PGPUB;<br>USPAT         | OR | ON | 2008/12/03<br>09:38 |
| S91 | Ō | delay same (process<br>application program<br>transaction activity thread<br>\$3) same (concuren\$3<br>simultan\$3)same<br>(dispatch\$3 run\$3 execut<br>\$3 schedul\$3)  | US-PGPUB;<br>USPAT         | OR | ON | 2008/12/03<br>09:38 |
| S92 | 0 | delay same (process<br>application program<br>transaction activity thread<br>\$3) same (concuren\$3<br>simultan\$3)same<br>(dispatch\$3 run\$3 execut<br>\$3 schedul\$3)  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2008/12/03<br>09:38 |
| S93 | 0 | delay same (process<br>application program<br>transaction activity thread<br>\$3) same (concuren\$3<br>simultan\$3) same<br>(dispatch\$3 run\$3 execut<br>\$3 schedul\$3) | US-PCPUB;<br>USPAT;<br>EPO | OR | ON | 2008/12/03<br>09:39 |

| S94  | 29567 | delay same (process<br>application program<br>transaction activity thread<br>\$3) same (dispatch\$3 run<br>\$3 execut\$3 schedul\$3)                   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2008/12/03<br>09:39 |
|------|-------|--|----------------------------|----|----|---------------------|
| S95  | 2371  | delay near4 (process<br>application program<br>transaction activity thread<br>\$3) near4 (dispatch\$3 run<br>\$3 execut\$3 schedul\$3)                 | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2008/12/03<br>09:39 |
| S96  | 1169  | delay near2 (process<br>application program<br>transaction activity thread<br>\$3) near4 (dispatch\$3 run<br>\$3 execut\$3 schedul\$3)                 | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2008/12/03<br>09:39 |
| S97  | 0     | delay near2 (process<br>application program<br>transaction activity thread<br>\$3) near4 ready near3<br>(dispatch\$3 run\$3 execut<br>\$3 schedul\$3)  | US-PCPUB;<br>USPAT;<br>EPO | OR | ON | 2008/12/03<br>09:39 |
| S98  | 1068  | delay near2 (process<br>application program<br>transaction activity thread<br>\$3) near3 (dispatch\$3 run<br>\$3 execut\$3 schedul\$3)                 | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2008/12/03<br>09:40 |
| S99  | 69865 | S98 and "718".clas. or<br>"709".clas.  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2008/12/03<br>09:40 |
| S100 | 76935 | "718".clas. or "709".clas.   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2008/12/03<br>09:40 |
| S101 | 141   | S100 and S98   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2008/12/03<br>09:40 |
| S103 | 106   | delay near2 (process<br>application program<br>transaction activity thread<br>\$3) near3 (dispatch\$3 run<br>\$3 execut\$3 schedut\$3)<br>same wait\$3 | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2008/12/03<br>09:41 |
| S104 | 27    | S100 and S103  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2008/12/03<br>09:41 |
| S105 | 1521  | delay\$3 near2 (process<br>application program<br>transaction activity thread<br>\$3) near3 (dispatch\$3 run<br>\$3 execut\$3 schedul\$3)              | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2008/12/03<br>09:42 |

| S106 | 146  | delay\$3 near2 (process<br>application program<br>transaction activity thread<br>\$3) near3 (dispatch\$3 run<br>\$3 execut\$3 schedul\$3)<br>same wait\$3  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2008/12/03<br>09:42 |
|------|------|--|----------------------------|----|----|---------------------|
| S107 | 38   | S100 and S106  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2008/12/03<br>09:42 |
| S108 | 28   | "6493741"  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2008/12/03<br>09:47 |
| S109 | 1    | "6493741".pn.  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2008/12/03<br>09:47 |
| S110 | 1    | "20030110230".pn.  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2008/12/03<br>09:49 |
| S111 | 1    | "20030041090".pn.  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2008/12/03<br>09:54 |
| S112 | 1    | "6662203".pn.  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2008/12/03<br>09:56 |
| S113 | 1    | "5133077".pn.  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2008/12/03<br>10:01 |
| S114 | 13   | delay\$3 near2 (process<br>application program<br>transaction activity thread<br>\$3) near3 (dispatch\$3 run<br>\$3 execut\$3 schedul\$3)<br>same batch\$3 | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2008/12/03<br>10:31 |
| S115 | 74   | delay near2 (process<br>application program<br>transaction activity thread<br>\$3) near3 (dispatch\$3 run<br>\$3 execut\$3 schedul\$3)<br>same wait        | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2008/12/03<br>14:51 |
| S116 | 0    | ready near4 (thread<br>process) near4 (wait\$3<br>queue\$3) near4 (other<br>another) near4 thread\$3<br>near3 ready  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2008/12/03<br>14:55 |
| S117 | 1    | muti\$thread\$3 near2<br>processor   | US-PGPUB;<br>USPAT         | OR | ON | 2008/12/03<br>16:08 |
| S118 | 3005 | multi\$thread\$3 near2<br>processor  | US-PGPUB;<br>USPAT         | OR | ON | 2008/12/03<br>16:09 |
| S119 | 497  | S118 and "718".clas.   | US-PGPUB;<br>USPAT         | OR | ON | 2008/12/03<br>16:09 |

| S120 | 26    | S119 and (batch\$3 near4 process\$3)  | US-PGPUB;<br>USPAT              | OR | ON | 2008/12/03<br>16:09 |
|------|-------|---|---------------------------------|----|----|---------------------|
| S121 | 0     | "863310".pn.  | US-PGPUB;<br>USPAT              | OR | ON | 2008/12/03<br>17:43 |
| S122 | 0     | "863310".pn.  | JPO                             | OR | ON | 2008/12/03<br>17:43 |
| S123 | 0     | "863310"  | JPO                             | OR | ON | 2008/12/03<br>17:43 |
| S124 | 5270  | 718/100,102,104.OOLS.   | US-PGPUB;<br>USPAT              | OR | ON | 2008/12/04<br>08:57 |
| S125 | 4549  | 711/154,156.OOLS.   | US-PGPUB;<br>USPAT              | OR | ON | 2008/12/04<br>08:57 |
| S126 | 0     | 709/103/220.COLS.   | US-PGPUB;<br>USPAT              | OR | ON | 2008/12/04<br>08:57 |
| S127 | 3501  | 709/103,220.COLS.   | US-PGPUB;<br>USPAT              | OR | ON | 2008/12/04<br>08:57 |
| S128 | 298   | (monitor\$3 near3 stat\$3<br>near3 (program\$3<br>sofware applications))<br>same ((thread\$3 process<br>task\$3) near3 stat\$3) | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2008/12/04<br>08:58 |
| S129 | 3     | S127 AND S128   | US-PGPUB;<br>USPAT              | OR | ON | 2008/12/04<br>08:58 |
| S130 | 221   | monitor\$3 near4 (buffer<br>\$3) near4 (program<br>application)   | US-PGPUB;<br>USPAT;<br>EPO      | OR | ON | 2008/12/04<br>08:58 |
| S131 | 2     | S124 AND S130   | US-PGPUB;<br>USPAT              | OR | ON | 2008/12/04<br>08:58 |
| S132 | 20908 | intel.as.   | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2008/12/04<br>09:00 |
| S133 | 476   | S132 and buffer near2<br>stat\$3  | US-PGPUB;<br>USPAT;<br>EPO; JPO | OR | ON | 2008/12/04<br>09:00 |
| S134 | 14    | S125 AND S133   | US-PGPUB;<br>USPAT              | OR | ON | 2008/12/04<br>09:00 |
| S135 | 42    | ready near2 (transaction<br>thread\$3) near3 (transmi<br>\$3 schedul\$3 dispatch\$3)<br>same wait\$3                            | US-PGPUB;<br>USPAT              | OR | ON | 2008/12/04<br>09:00 |
| S136 | 193   | ready near2 (transaction<br>thread\$3) near3 (transmi<br>\$3 schedul\$3 dispatch\$3)  | US-PGPUB;<br>USPAT              | OR | ON | 2008/12/04<br>09:00 |

| S137 | 107   | delay near2 (process<br>application program<br>transaction activity thread<br>\$3) near3 (dispatch\$3 run<br>\$3 execut\$3 schedul\$3)<br>same wait\$3 | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2008/12/04<br>09:01 |
|------|-------|--|----------------------------|----|----|---------------------|
| S138 | 1170  | delay near2 (process<br>application program<br>transaction activity thread<br>\$3) near4 (dispatch\$3 run<br>\$3 execut\$3 schedul\$3)                 | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2008/12/04<br>09:01 |
| S139 | 3012  | multi\$thread\$3 near2<br>processor  | US-PGPUB;<br>USPAT         | OR | ON | 2008/12/04<br>09:01 |
| S140 | 498   | S139 and "718".clas.   | US-PGPUB;<br>USPAT         | OR | ON | 2008/12/04<br>09:01 |
| S141 | 26    | S140 and (batch\$3 near4 process\$3)   | US-PGPUB;<br>USPAT         | OR | ON | 2008/12/04<br>09:01 |
| S142 | 13    | S141 AND S124  | US-PGPUB;<br>USPAT         | OR | ON | 2008/12/04<br>09:01 |
| S143 | 49633 | synch\$3 near4 thread\$3<br>dispatch\$3  | US-PGPUB;<br>USPAT         | OR | ON | 2008/12/04<br>09:02 |
| S144 | 974   | S124 AND S143  | US-PGPUB;<br>USPAT         | OR | ON | 2008/12/04<br>09:02 |
| S145 | 137   | (ready near2 thread\$3)<br>same (thread\$3 near3<br>wait\$3 near4 thread\$3)   | US-PGPUB;<br>USPAT         | OR | ON | 2008/12/04<br>09:03 |
| S146 | 8     | determin\$3 near2 availab<br>\$3 near2 (buffer and<br>processor)   | US-PGPUB;<br>USPAT         | OR | ON | 2009/06/18<br>17:30 |
| S147 | 0     | system near2 machine<br>near2 state with adjust\$3<br>near2 buffer   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2009/06/18<br>22:43 |
| S148 | 4     | system near2 state with adjust\$3 near2 buffer   | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2009/06/18<br>22:43 |
| S149 | 0     | application near2 state<br>with adjust\$3 near2<br>buffer  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2009/06/18<br>22:44 |
| S150 | 0     | (adjust near2 (printer adj<br>spooler)) same<br>((application near2 state)<br>  (thread state))  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2009/06/18<br>22:54 |
| S151 | 0     | (adjust and (printer adj<br>spooler)) same<br>((application near2 state)<br>  (thread state))  | US-PGPUB;<br>USPAT;<br>EPO | OR | ON | 2009/06/18<br>22:54 |

| S152 | 18   | (control and (printer adj<br>spooler)) same<br>((application near2 state)<br>(thread state))   | US-PGPUB;<br>USPAT;<br>EPO   | OR | ON | 2009/06/18<br>22:54 |
|------|------|--|------------------------------|----|----|---------------------|
| S153 | 5710 | ((adjust   control   adapt   conform   modify   regulate   tune) near2 ((printer adj spooler)   buffer)) same ((application near2 state)   (thread state))     | US PGPUB;<br>USPAT;<br>EPO   | OR | ON | 2009/06/18<br>22:58 |
| S154 | 5709 | ((adjust   control   adapt<br>  conform   modify  <br>regulate   tune) near2<br>buffer) same ((application<br>near2 state)   (thread<br>state))                | US-PGPUB;<br>USPAT;<br>EPO   | OR | ON | 2009/06/18<br>22:59 |
| S155 | 26   | ((adjust   control   adapt<br>  conform   modify  <br>regulate   tune) near2<br>buffer) same ((application<br>near2 state))                                    | US-PGPUB;<br>USPAT;<br>EPO   | OR | ON | 2009/06/18<br>22:59 |
| S156 | 1    | ((adjust   control   adapt<br>  conform   modify  <br>regulate   tune) near2<br>(printer adj spooler))<br>same ((application near2<br>state)   (thread state)) | US-PGPUB;<br>USPAT;<br>EPO   | OR | ON | 2009/06/18<br>23:12 |
| S157 | 1    | "5812860".pn.  | USPAT                        | OR | ON | 2009/06/19<br>00:06 |
| S158 | 82   | ("5153535"   "5627412").<br>PN. OR ("5812860").<br>URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2009/06/19<br>00:08 |
| S159 | 1937 | (adjust\$3 increas\$3<br>decreas\$3) near2 buffer<br>near2 size  | US-PGPUB;<br>USPAT;<br>EPO   | OR | ON | 2009/06/21<br>15:58 |
| S160 | 0    | ((adjust\$3 increas\$3<br>decreas\$3) near2 buffer<br>near2 size) same (state<br>near2 (program\$3<br>application thread))                                     | US-PGPUB;<br>USPAT;<br>EPO   | OR | ON | 2009/06/21<br>15:59 |
| S161 | 23   | ((adjust\$3 increas\$3<br>decreas\$3) near2 buffer<br>near2 size) same print   | US-PGPUB;<br>USPAT;<br>EPO   | OR | ON | 2009/06/21<br>16:00 |
| S162 | 12   | ((adjust\$3 increas\$3<br>chang\$3 control\$3 modify<br>\$3 decreas\$3) near2<br>buffer near2 size) same<br>(state near2 machine)                              | US-PGPUB;<br>USPAT;<br>EPO   | OR | ON | 2009/06/21<br>16:21 |

6/21/2009 11:06:25 PM

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